SEQUENCE LISTING

<110> Shultz, John W
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<120> EXOGENOUS NUCLEIC ACID DETECTION

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<140> NOT YET ASSIGNED
<141> 1999-09-27

<150> 09/252,436
<151> 1999-02-18

<150> 09/042,287
<151> 1998-03-13

<160> 92

<170> PatentIn Ver. 2.0

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gttttacttc 70

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<211> 30

<212> DNA

<213> Listeria

<400> 11

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<400> 12

ttctgctact ttaggcgcag gtgtagttcg 30

<210> 13

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<211> 30

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<213> Salmonella

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<223> Description of Artificial Sequence: PROBE FOR KANAMYCIN RNA, ALTERED AT 3' TERMINUS

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gcaacgctac ctttgccatg tttg 24

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<213> rabbit

<400> 25

atggtgcatc tgtccagtga ggagaagtct 30

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<211> 30

<212> DNA

<213> rabbit

<400> 26

agacttctcc tcactggaca gatgcaccat 30

<210> 27

<211> 26

<212> DNA

<213> rabbit

<400> 27

gctgctggtt gtctacccat ggaccc 26

<210> 28

<211> 26

<212> DNA

<213> rabbit

<400> 28

gggtccatgg gtagacaacc agcagc 26

<210> 29

<211> 30

<212> DNA

<213> Escherichia coli

<400> 29

cagtcacgac gttgtaaaac gacggccagt 30

<210> 30

<211> 30

<212> DNA

<213> Escherichia coli

<400> 30

actggccgtc gttttacaac gtcgtgactg 30

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<211> 75

<212> DNA

<213> Campylobacter jejuni

<400> 31

cttgaagcat agttcttgtt tttaaacttt gtccatcttg agccgcttga gttgagttgc 60

cttagtttta atagt 75

<210> 32

<211> 30

<212> DNA

<213> Campylobacter jejuni

<400> 32

agttcttgtt tttaaacttt gtccatcttg 30

<210> 33

<211> 70

<212> DNA

<213> Campylobacter jejuni

<400> 33

actattaaaa ctaaggcaac tcaagcggct caagatggac aaagtttaaa aacaagaact 60

atgcttcaag 70

<210> 34

<211> 30

<212> DNA

<213> Campylobacter jejuni

<400> 34

caagatggac aaagtttaaa aacaagaact 30

<210> 35

<211> 21

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<213> Cytomegalovirus

<400> 35

cactttgata ttacacccat g 21

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<213> Cytomegalovirus

<400> 36

cactttgata ttacacccgt g 21

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cgtgtatgcc actttgatat tacacccatg aacgtgctca tcgacgtgaa cccgcacaac 60

gagct 65

<210> 38

<211> 65

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<400> 38

cgttgtgcgg gttcacgtcg atgagcacgt tcatgggtgt aatatcaaag tggcatacac 60

gagct 65

<210> 39

<211> 65

<212> DNA

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<400> 39

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gagct 65

<210> 40

<211> 65

<212> DNA

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cgttgtgcgg gttcacgtcg atgagcacgt tcacgggtgt aatatcaaag tggcatacac 60

gagct 65

<210> 41

<211> 26

<212> DNA

<213> Cytomegalovirus

<400> 41

tcacacagga aacagctatg accatg 26

<210> 42

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: M13 FORWARD
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<400> 42

gcaaggcgat taagttgggt aacg 24

<210> 43

<211> 40

<212> DNA

<213> Hepatitis C virus

<400> 43

ctgctagccg agtagtgttg ggtcgcgaaa ggccttgtgg 40

<210> 44

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: 35S PROMOTER
PCR PRIMER

<400> 44

gatagtggga ttgtgcgtca 20

<210> 45

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: 35S PROMOTER
PCR PRIMER

<400> 45

gctcctacaa atgccatca 19

<210> 46

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: NOS TERMINATOR

<400> 46

ttatcctagt ttgcgcgcta 20

<210> 47

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<212> DNA

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<223> Description of Artificial Sequence: NOS TERMINATOE
PCR PRIMER

<400> 47

gaatcctgct gccggtcttg 20

<210> 48

<211> 15

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: 35S PROBE

<400> 48

gcaagtggat tgatg 15

<210> 49

<211> 17

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: 35S PROBE

<400> 49

ccaaccacgt cttcaaa 17

<210> 50

<211> 16

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<223> Description of Artificial Sequence: NOS PROBE

<400> 50

tttatgagat gggttt 16

<210> 51

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NOS probe

<400> 51

atgattagag tcccg 15

<210> 52

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 52

ccatttagta ctgtct 16

<210> 53

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 53

ccatttagta ctgttt 16

<210> 54

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 54

ctagttttct ccattt 16

<210> 55

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 55

ctagttttct ccatct 16

<210> 56

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 56

ttctctgaaa tctact 16

<210> 57

<211> 16

<212> DNA

<213> Human immunodeficiency virus

<400> 57

ttctctgaaa tctatt 16

<210> 58

<211> 50

<212> DNA

<213> Human immunodeficiency virus

<400> 58

aaaaaagaca gtactaaatg gagaaaacta gtagatttca gagaacttaa 50

<210> 59

<211> 50

<212> DNA

<213> Human immunodeficiency virus

<400> 59

aaaaaaaaca gtactaaatg gagaaaacta gtagatttca gagaacttaa 50

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<211> 50

<212> DNA

<213> Human immunodeficiency virus

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aaaaaagaca gtactagatg gagaaaacta gtagatttca gagaacttaa 50

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<213> Human immunodeficiency virus

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<212> DNA

<213> Human immunodeficiency virus

<400> 62

agtgactggg g 11

<210> 63

<211> 29

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<223> Description of Artificial Sequence: probe which forms hairpin when allowed to self-anneal

<400> 63

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<223> Description of Artificial Sequence: probe which forms hairpin when allowed to self-anneal

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<223> Description of Artificial Sequence: probe which forms hairpin when allowed to self-anneal

<400> 65

ataaacgtac gtcggatgag cacgttcat 29

<210> 66

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: probe which forms hairpin when allowed to self-anneal

<400> 66

ataaacgtac gtcggatgag cacg 24

<210> 67

<211> 62

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic target sequence

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cccggagaga cctccttaag gggccatatt atttcgtcga ttccagtgtt ggccaaacgg 60

at 62

<210> 68

<211> 41

<212> DNA

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target sequence

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ggggccatat tatttcgccg tttggccaac actggaatcg a 41

<210> 69

<211> 77

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
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aaggaggtct ctccggg 77

<210> 70

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic target sequence

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cccggagaga cctcct 16

<210> 71

<211> 77

<212> DNA

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<223> Description of Artificial Sequence: synthetic target sequence

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cgaaataata tggcccc 77

<210> 72

<211> 65

<212> DNA

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gagct 65

<210> 73

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cgttgtgcgg gttcacgtcg atgagcacgt tcatgggtgt aatatcaaag tggcatacac 60

gagct 65

<210> 74

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<212> DNA

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gagct 65

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<212> DNA

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gagct 65

<210> 76

<211> 89

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: probe to
wild-type targets 10870 and 10994

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tcactatagg gctcagtgtg attccacct 89

<210> 77

<211> 53

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: wild-type
target

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: mutant target

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<210> 79

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<223> Description of Artificial Sequence: probe which hydridizes to only to wild-type target

<400> 79

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: probe which hydridizes only to mutant target

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<210> 81

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: probe which hydridizes to 10870 and 10994

<400> 81

ctaaagctga gacatgacga gtc 23

<210> 82

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<210> 83

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<213> kanamycin

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<210> 86

<211> 12

<212> DNA

<213> Homo sapiens

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ccagacgcct ca 12

<210> 87

<211> 12

<212> DNA

<213> Homo sapiens

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accttcacgc ca 12

<210> 88

<211> 11

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism:common probe to cytochrome B

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<213> chicken

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gcagacacat cc 12

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<213> chicken

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<210> 91

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<400> 91

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atatgcacgc aa 12

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|---|---|---|
| Applicant: | Shultz et al. | |
| Serial No.: | Not Yet Assigned<br>Div of 09/406,147 | Attorney Docket:<br>PRO-105.0 DIV I<br>6868/81579 |
| Filed: | February 9, 2001 | |
| For: | EXOGENOUS NUCLEIC ACID DETECTION | Art Group:<br>Not yet assigned |
| Examiner: | Not Yet Assigned | |

STATEMENT UNDER 37 C.F.R. 1.821(e) and (f)

Commissioner for Patents
Washington, D.C. 20231
Attn: Box Sequence

Sir:

The present application is a division of allowed U.S. Patent Application Serial No. 09/406,167, filed September 27, 1999. The Sequence Listing filed herewith is a true copy of the Sequence Listing previously filed for Application Serial No. 09/406,167, and thus the Sequence Listings are identical.

Pursuant to 37 C.F.R. 1.821(e), a computer readable form (CRF) of the Sequence Listing for the subject new divisional patent application may be provided through reference to the CRF filed in the previous case, allowed

U.S. Patent Application Serial No. 09/406,167, filed September 27, 1999.

The Sequence Listing on the previously-filed CRF is ASCII output from PatentIn version 2.0, created 9/27/99 in PatentIn v. 2.0 on a Windows 95/PC compatible computer. The Sequence Listing file "PRO105.app" was copied onto that diskette 9/27/99. The content of the paper copy of the Sequence Listing enclosed herewith is the same as the content of the previously filed computer readable form of the Sequence Listing.

Respectfully submitted,

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CERTIFICATE OF EXPRESS MAILING

I hereby certify that this Statement under 37 C.F.R. 1.821(e) together with the Preliminary Amendment and its stated enclosures is being deposited with the United States Postal Service with Express Mailing Label No. EL769849422US in an envelope addressed to: Commissioner for Patents, Washington D.C. 20231 on February 9, 2001.